

# INSTALLATION & MOUNTING

## Mounting Interfaces for Elevated Lights

### Compliance with Standards

**FAA:** Base plate compliant to AC150/5345-46 (current edition), for mounting of elevated lights, except L-804 runway guard light. Other mounting accessories tested in combination with elevated lights not exceeding 356 mm for wind speeds up to 482 km/h.

### Uses

Mounting interfaces are designed to fit all ADB Safegate elevated lighting fixtures. They are economical, easy to install, and almost maintenance free. The variety of the mounting interfaces provides the best suitable solution for the most versatile installation method.

### Features

- Corrosion proof.
- UV-resistant sun-exposed surfaces.
- Adapted to most versatile mounting.
- Standard available with 2" gas BS coupling, 11 TPI.
- Also available with 1 1/2 NPT TPI thread.
- Lightweight, but sturdy.



Fig. 2: UEL mounted on corrosion free base plate T300/3



Conduit elbow TC3

### Construction

#### Conduit elbow TC3 (Fig. 3–5)

1. Earthing screw, stainless steel
2. Coupling, thermoplastic resin tapped, 2" gas, 11TPI
3. PVC cap protecting the thread until the installation of the lighting fixture
4. Receptacle seat, aluminum
5. Conduit elbow, 63 mm O.D. PVC

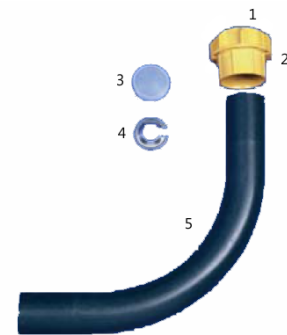


Fig. 3: Conduit Elbow TC3

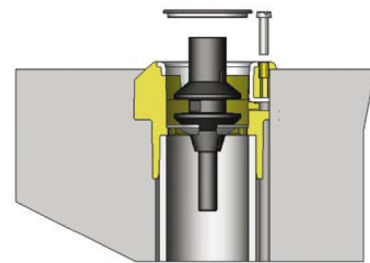


Fig. 5

**Note:** Not specified in FAA AC150/5345-46. Withstands stresses transmitted by an ADB Safegate light of maximum 356 mm high, when exposed to a 482 km/h (300 mph) wind. Withstands stresses transmitted by a BPE light, when submitted to A380 jet blast on 45m wide runway.

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### Tripod (Fig. 6–8)

1. Synthetic material tripod with 2" gas coupling, 11 TPI
2. Reinforced fixing holes (3)
3. Anchor bolts – optional (M10)

**Note:** Not specified in FAA AC150/5345-46. Withstands stresses transmitted by an ADB Safegate light of maximum 356 mm high, when exposed to a 482 km/h (300 mph) wind.

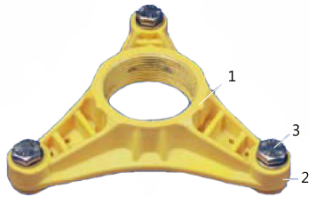


Fig. 6: Tripod

### Anchor Stake PA2 (Fig. 9–10)

1. Receptacle seat, aluminum
2. PVC cap protecting the thread until the installation of the lighting fixture
3. 2" gas coupling, 11 TPI
4. Angle iron, 50 × 50 mm, hot dip galvanized

**Note:** Not specified in FAA AC 150/5345-46. Withstands stresses transmitted by an ADB Safegate light of maximum 356 mm high, when exposed to a 482 km/h (300 mph) wind (provided the soil resistance is adequate).

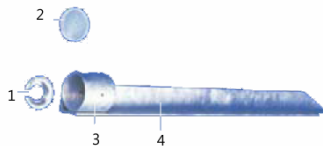


Fig. 9: Anchor Stake PA2

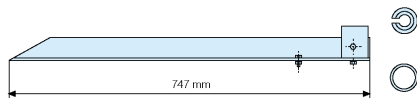


Fig. 10

### Base Plate T300/3 (Fig. 11–12)

1. Base plate, with female 2" gas, 11 TPI
2. Clamp for two-pole receptacle
3. Clamp fastening screws (3)
4. Earthing lugs, with screws and washers (3)
5. Neoprene gasket

**Note:** Fully compliant to FAA AC150/5345-46. Withstands stresses transmitted by an ADB Safegate light of maximum 356 mm high, when exposed to a 482 km/h (300 mph) wind. Withstands stresses transmitted by a BPE light, when submitted to A380 jet blast on a 45 m wide runway.

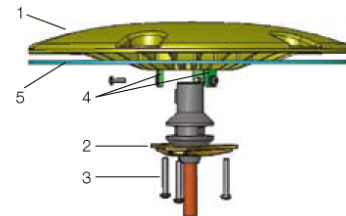


Fig. 11: Base Plate T300/3

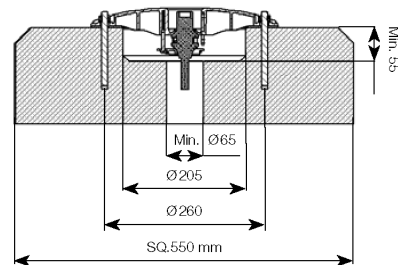


Fig. 12

## Mounting Interfaces for Elevated Lights

### Installation

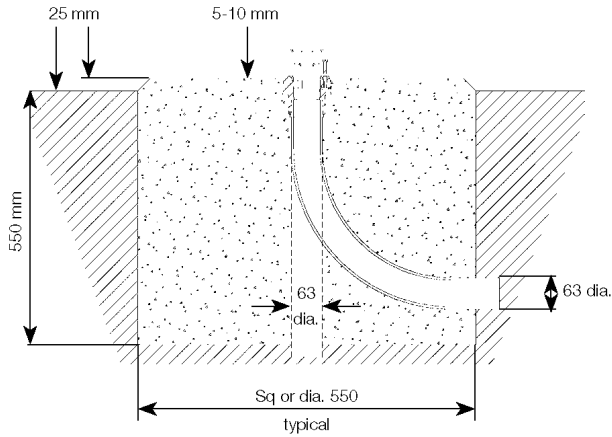


Fig. 4

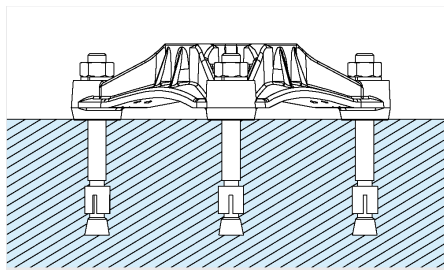


Fig. 7

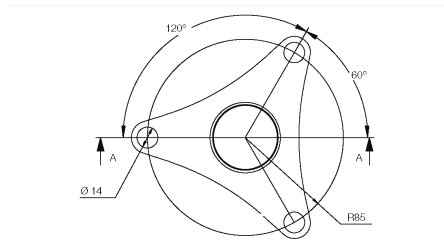


Fig. 8

### Ordering Codes

Conduit elbow TC3 1409.00.020

Including:

- Conduit elbow
- Mounting coupling
- Receptacle seat
- Earthing screw
- Mounting instruction

Mounting coupling MC3 1409.47.100

Including:

- Receptacle seat
- Plastic cap
- Earthing screw
- Mounting instruction

PVC Conduit elbow as per EN 1452 (ordered per 10) 3225.01.341

Tripod 1409.47.000

Anchor stake PA2 1409.20.011

Base plate T300/3

- with earthing provision 1409.46.140
- without earthing provision 1409.46.150

Part numbers valid for 2" gas BS, 11 TPI executions.

Spare parts

Plastic cap for mounting interfaces for elevated lights 6126.77.920

### Packing Data

Type	Net weight	Dimensions (cm)	Other
TC3	1620 g	Ø 6.3	Bulk
MC3	500 g	Bulk 50 × 30 × 26	10 in plastic bag 40 in cardboard box
Tripod	179 g	Ø 19.5	Bulk
PA2	3350 g	74.7 × 9	Bulk
T300/3	900 g	51 × 51 × 31	10 in cardboard box